

LISTING OF CLAIMS:

1-47. (Cancelled)

48. (Currently Amended) A recording medium having video data, a plurality of programs, and a table recorded thereon, wherein

one of the plurality of programs includes a command for branching, which instructs a playback device to perform branching based on a title number,

the table comprises (a) combinations of program identification information and mode information and (b) title numbers corresponding to the combinations,

the program identification information instructs the playback device on a program to be executed for dynamic control, when branching to a title of a corresponding title number, and

the mode information shows whether the program to be executed for dynamic control is a program described in an object-oriented programming language,

wherein the mode information of the table includes title numbers corresponding to MOVIE objects and JAVA objects.

49-58 (Cancelled)

59. (Currently Amended) A playback device relating to a recording medium having video data, a plurality of programs, and a table including indexes pertaining to the respective plurality of programs recorded thereon, comprising:

a plurality of modules operable to execute the respective plurality of programs; and

a manager operable to control branching between the plurality of programs, wherein

one of the plurality of modules is a platform part of a virtual machine,

the table comprises (a) combinations of program identification information and mode information and (b) title numbers corresponding to the combinations,

the program identification information instructs the playback device on a program to be executed for dynamic control, when branching based on the title number occurs,

the mode information shows whether the program to be executed for dynamic control is a program described in an object-oriented programming language, and

when a command for branching is executed by any of the plurality of modules, the manager (i) decides a program to be activated by referring to program identification information corresponding to a title number included in the command for branching, and (ii) decides whether to cause the platform part of the virtual machine that is one of the plurality of modules to execute the program to be activated by referring to mode information corresponding to the title number included in the command for branching,

wherein the mode information of the table includes title numbers corresponding to MOVIE objects and JAVA objects.

60-69. (Cancelled)

70. (Currently Amended) A playback method of a playback device relating to a recording medium having video data, a plurality of programs, a table including indexes pertaining to the respective programs recorded thereon, comprising the following steps executed by the playback device:

a control step for controlling branching between the plurality of programs, wherein

the table comprises (a) combinations of program identification information and mode information and (b) title numbers corresponding to the combinations,

the program identification information instructs the playback device on a program to be executed for dynamic control, when branching based on the title number occurs,

the mode information shows whether the program to be executed for dynamic control is a program described in an object-oriented programming language,

when a command for branching in the programs is executed, the control step (i) decides a program to be activated by referring to program identification information corresponding to a title number included in the command for branching, and (ii) decides whether to cause a platform part of a virtual machine to execute the program to be activated, by referring to mode information corresponding to the title number included in the command for branching,

wherein the mode information of the table includes title numbers corresponding to MOVIE objects and JAVA objects.

71. (Currently Amended) A method of recording onto a recording medium, comprising the following steps:

creating application data by using an authoring device; and
recording the created application data on the recording medium, wherein
the application data includes video data, a plurality of programs, and a table,
one of the plurality of programs includes a command for branching which instructs a
playback device to perform branching based on a title number,
the table comprises (a) combinations of program identification information and mode
information and (b) title numbers corresponding to the combinations,
the program identification information instructs the playback device on a program to be
executed for dynamic control, when branching based on the title numbers occurs, and
the mode information shows whether the program to be executed for dynamic control is a
program described in an object-oriented programming language,
wherein the mode information of the table includes title numbers corresponding to
MOVIE objects and JAVA objects.

72. (Previously Presented) The recording medium of Claim 48, wherein
the program described in the object-oriented programming language is a program
described in a Java TM language, and
the mode information shows whether the program to be executed for dynamic control is a
program described in the Java TM language or a command based program.

73. (Previously Presented) The playback device of Claim 59, wherein

the program described in the object-oriented programming language is a program described in a Java TM language, and

the mode information shows whether the program to be executed for dynamic control is a program described in the Java TM language or a command based program.

74. (Previously Presented) The method of Claim 70, wherein

the program described in the object-oriented programming language is a program described in a Java TM language, and

the mode information shows whether the program to be executed for dynamic control is a program described in the Java TM language or a command based program.

75. (Previously Presented) The method of Claim 71, wherein

the program described in the object-oriented programming language is a program described in a Java TM language, and

the mode information shows whether the program to be executed for dynamic control is a program described in the Java TM language or a command based program.